

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I/we hereby declare that:

My/Our residence, post office address and citizenship are as stated below next to my/our name, I/we believe that I/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM FOR DIAGNOSING DETERIORATION OF CATALYST

the specification of which was filed as PCT International Application No. _____

filed _____ and was amended on _____ (if applicable)

I/We hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I/We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I/We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

5-99765	Japan	26/04/1993	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I/We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I/we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I/We hereby appoint as independent attorneys; James F. McKeown, Reg. No. 25,649; Donald D. Evenson, Reg. No. 31,160; Gary R. Edwards, Reg. No. 31,824; Charles E. Wands, Reg. No. 32,029; and A. Hankins, Reg. No. 32,029 to prosecute and transact all business connected with this application and any related United States application and international applications. Please direct all communications to the following address:

Evenson, Wands, Edwards, Lenahan & McKeown
Suite 700
1200 G Street, N.W.
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(202) 628-8800
Fax: (202) 628-8844

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Full Name)

(Signature)

Date April 19, 1994 Inventor Takashi Mutsaers

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Date April 19, 1994 Inventor Toshio Ishii

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Date April 19, 1994 Inventor Kiyoshi Mura

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Date April 19, 1994 Inventor Kazuya Kawano

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Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

Date _____ Inventor _____

Residence _____ Citizenship _____

Post Office Address _____

RECORDATION FORM COVER SHEET
PATENTS ONLY

1-72

381T(4/16)

APR
26
1994

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takashi Mukaihira, Toshio Ishii, Kiyoshi Miura
and Kazuya KawanoAdditional name(s) of conveying party(ies) attached?
☐ yes ☒ no

3. Nature of Conveyance: 19

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: April 19, 1994

2. Name and address of receiving party(ies)?

Name: Hitachi, Ltd.

Internal Address:

Street Address: 6, Kanda Surugadai 4-chome,
Chiyoda-ku
Tokyo, Japan

City State Zip

Additional name(s) & address(es) attached?
☐ yes ☒ no

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 19, 1994

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

James F. McKeown, Esquire
Evenson, McKeown, Edwards & Lenahan
1200 G Street, N. W., Suite 700
Washington, D. C. 20005

6. Total number of applications and patents involved:

1

7. Total Fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in
connection with this Assignment to Deposit Account No. 05-1323☐ Authorized to be charged to Deposit Account

8. Deposit Account No. 05-1323

(Attach dupl. copy of this page if paying by Deposit Account)

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James F. McKeown : 25,406
Name Reg. No.

Signature

April 26, 1994
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion.

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

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ASSIGNMENT - U.S. PATENT RIGHTS (ALL RIGHTS)

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as below named inventor(s), I/we hereby sell and assign to Hitachi, Ltd.

of 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan (hereinafter Assignee), its successors and assigns or other legal representatives, all my/our right, title and interest, in and for the United States of America, in and to the invention entitled: SYSTEM FOR DIAGNOSING DETERIORATION OF CATALYST

invented by me/us and described in this application for United States Letters Patent therefor,

the specification of which (check one)



is attached hereto.



was filed on _____

as Application Serial No. _____

and was amended on _____

(if applicable)

and all continuing, continuations-in-part, divisionals, reissues, and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted, to be held and enjoyed by said Assignee, its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made.

And I/we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuations-in-part, divisionals, reissues, and extensions thereof, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee.

And I/we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Assignee.

	(Full Name)	(Signature)
Date <u>April 19, 1994</u>	Inventor <u>Takashi Mukashima</u>	
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Date _____	Inventor _____	
Residence _____	Citizenship _____	
Post Office Address _____		
Date _____	Inventor _____	
Residence _____	Citizenship _____	
Post Office Address _____		

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PATENT OFFICE